: GHOST ARCHIVE 35MM

I. THE ARCHITECTURE

The **Ghost Archive 35mm** is a three-component hardware ecosystem designed for the **analog transformation** of digital assets. It acts as a **Master Mixer**, injecting the physical physics of 35mm film, light, and mechanical movement directly into the signal path.

1. The Optical Chamber

- **Input:** An internal high-resolution **8K screen** serves as the filmmaker's primary digital input.
- **Environment:** A 1.2m³ volume with **click-in/click-out** modularity. Ceiling, floor, and side panels are interchangeable screens.
- **Capture:** Dual-camera system featuring **RED Komodo 6K sensors** (recording **ProRes RAW**), allowing for rotation, zooming, blur, and real-time angle switching.
- **Lens Pack:** Physical interchangeable 35mm cinema glass (Panavision, Zeiss, Cooke, Canon K-35, etc.).

2. The Ghost Tank

- **Storage:** Dedicated housing for water-based liquids (steam, fog, raindrops) and physical artefacts (coloured powder, sand, salt).
- **Flow:** Transported via **flexible electrical looms** and highest-quality piping.
- **Control:** Tactile management via **old-school valves** for input/output and on/off functions.

3. The Visual Mixing Desk

- **Interface:** Tailor-made walnut housing with **dials and gauges** and a brass scene-recall mechanism.
- **Logic:** Based on **SSL mixing desk architecture** with a "Safe Scene" capability to save and recall physical mixes later.
- **Output:** Live output monitoring available directly on the **mixing desk** and the **main unit** for real-time collaboration.

II. PRODUCTION PHILOSOPHY

- **Slow-Cook Development:** A deliberate **three-year window** for manufacturing and road-testing. No shortcuts.

- **Craftsmanship:** Every unit features **walnut dovetail joint carpentry** and is individually serialized and calibrated.
- **Exclusivity:** Designed and sold exclusively to filmmakers who value the irreplaceable texture of practical effects.

III. ROADMAP: THE 3-YEAR SLOW-COOK

- **Year 1: Component Engineering & Electrical Looms.** Finalizing the valve-pressure logic for the Ghost Tank and the zero-latency link between the SSL-desk and the motor system.
- **Year 2: Optical Calibration & Lens Integration.** Stress-testing the 8K screen heat-dissipation and the physical lens-swap mounts under real-world cinematography conditions.
- **Year 3: Real-World Road Testing.** Deployment in selected boutique studios to refine the "Scene Recall" memory bank and finalize the safety/ventilation standards (CE certification).

IV. USE CASE SCENARIOS

- **Sci-Fi/Noir Synthesis:** Real-time layering of physical steam and fog over digital 8K footage, manipulated by live lasers and silhouette shadowing.
- **Tactile Texturing:** Introducing salt or sandstorm artefacts into the chamber with vacuum-loop extraction for continuous, zero-latency effects.
- **Cinematic Orchestration:** Using the mixing desk to "play" the light beams and mirrorball reflections like an instrument, recording the result as an authentic 35mm master.